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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Shigeo Kittaka et al. Confirmation No. 4005  
Patent No.: 6,968,096 Issued: November 22, 2005  
Serial No.: 10/623,448 Filed: July 18, 2003  
Docket No.: 1018.1177101 Customer No.: 28075  
For: DIFFRACTION DEVICE USING PHOTONIC CRYSTAL

***TRANSMITTAL SHEET***

Attention Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate  
DEC 14 2005  
of Correction**

Sir:

**CERTIFICATE UNDER 37 C.F.R. 1.8:** I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Attention Certificate of Correction Branch, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on this 9th day of December 2005.

By

David M. Crompton

We are transmitting herewith the attached:

[XX] REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT FOR PTO MISTAKE, AND FORM PTO/SB/44 INDUPLICATE.

[XX] Return Receipt Postcard (MPEP 503).

[XXXX] Please charge any deficiencies or credit any overpayment in the enclosed fees to Deposit Account No. 50-0413.

By:

David M. Crompton, Reg. No. 36,772

David M. Crompton  
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**DEC 19 2005**



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**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT FOR  
PTO MISTAKE (37 CFR 1.322(a))**

**CERTIFICATE UNDER 37 C.F.R. 1.8:** I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Attention Certificate of Correction Branch, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on this 9th day of December 2005.

By

David M. Crompton

Sir:

Attached in duplicate is Form PTO/SB/44 with at least one copy being suitable for printing. The exact page and line number where the errors are shown correctly in the application file are:

Originally filed application at: line 23 of page 2; line 24 of page 4; line 25 of page 25; line 7 of page 29; line 9 of page 39; line 1 and line 7 of page 46; line 8 of page 50; line 25 and line 26 of page 64; and lines 10-11 of page 78.

Amendment filed February 17, 2005 at page 2, line 11 of Claim 2.

Please send the Certificate to Customer No. 28075

Respectfully submitted,

Shigeo Kittaka et al.

By his Attorney,

David M. Crompton, Reg. No. 36,772  
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Dated: 12/9/05

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT NO. : 6,968,096  
 APPLICATION NO.: 10/623,448  
 ISSUE DATE : November 22, 2005  
 INVENTOR(S) : Shigeo Kittaka et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1

Line 50, delete " $\lambda_0/\Delta\lambda=1937.5=\text{mN}$ ", and insert therefor --  $\lambda_0/\Delta\lambda=1937.5 = \text{mN}$  --.

Column 2

Line 42, delete " $2 \leq |(\Delta\lambda/\lambda_0)/(\Delta\omega/\omega_0)|$ ", and insert therefor --  $2 \leq |(\Delta\lambda/\lambda_0)/(\Delta\omega/\omega_0)|$ , --.

Column 11

Line 67, delete " $2 \leq |K| = |(\Delta\lambda/\lambda_0)/(\Delta\omega/\omega_0)|$ ", and insert therefor --  $2 \leq |K| = |(\Delta\lambda/\lambda_0)/(\Delta\omega/\omega_0)|$  --.

Column 13

Line 30, delete " $2 \leq |K| = |(\Delta\lambda/\lambda_0)/(\Delta\omega/\omega_0)|$ ", and insert therefor --  $2 \leq |K| = |(\Delta\lambda/\lambda_0)/(\Delta\omega/\omega_0)|$  --.

Column 17

Line 48, delete " $2 \leq |K| = |(\Delta\lambda/\lambda_0)/(\Delta\omega/\omega_0)|$ ", and insert therefor --  $2 \leq |K| = |(\Delta\lambda/\lambda_0)/(\Delta\omega/\omega_0)|$  --.

Column 20

Line 40, delete " $2 \leq |K| = |(\Delta\lambda/\lambda_0)/(\Delta\omega/\omega_0)|$ ", and insert therefor --  $2 \leq |K| = |(\Delta\lambda/\lambda_0)/(\Delta\omega/\omega_0)|$  --.

Line 45, delete " $(\omega_0/A\Delta\omega)$ ", and insert therefor --  $(\omega_0/\Delta\omega)$  --.

Column 22

Line 22, delete "riot", and insert therefor -- not --.

## MAILING ADDRESS OF SENDER (Please do not use customer number below):

Crompton, Seager & Tufte, LLC  
 1221 Nicollet Avenue, Suite 800  
 Minneapolis, MN 55403-2420

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Page 2 of 2

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It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 28Line 34, delete " $t_m$ ", and insert therefor --  $t_M$  --.Line 35, delete " $n_m$ ", and insert therefor --  $n_M$  --.Column 34

Line 27, delete "of. Comparative example 1.", and insert therefor -- of comparative example 1. --.

Column 38Line 55, delete " $2 \leq |(\Delta\lambda/\lambda_0)/(\Delta\omega/\omega_0)|$ ", and insert therefor --  $2 \leq |(\Delta\lambda/\lambda_0)/(\Delta\omega/\omega_0)|$ , --.

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